



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

DRIER CONDITIONS AIDED HARVEST

Normal temperatures and below average precipitation allowed producers to make steady harvest progress, according to the USDA, NASS, Minnesota Field Office. As of August 22, spring wheat was 89 percent harvested, compared to 14 percent last year and 57 percent for the five-year average. Barley was 95 percent harvested, compared to 22 percent last year and 75 percent average. Oat harvest was 95 percent complete, compared to 55 percent last year and 83 percent average. Some reporters in northwestern areas noted that frequent showers have slowed harvest progress.

Temperatures were at their seasonal average this week across the state, a drop from above average temperatures that prevailed throughout August. Statewide precipitation was below normal for the week; however, rainfall varied throughout the state. Areas in the north central, northeast, and east central received over an inch of rainfall, while areas across the south received less than a quarter-inch.

Corn progress remained ahead of average. Ninety-seven percent of Minnesota's corn crop reached the milk stage, compared to 77 percent last year and 92 percent average. Eighty-one percent of corn was in the dough stage, compared to 21 percent last year and 59 percent average. Corn was 35 percent denting, compared to 1 percent last year and 25 percent average. Soybeans were 96 percent setting pods, compared to 88 percent last year and 96 percent average, while 3 percent were turning yellow, compared to 0 percent last year and 6 percent average. Crop conditions were generally unchanged from last week. Statewide 52 percent of corn was reported in good condition and 38 percent was in excellent condition. Soybeans were rated 55 percent in good condition and 33 percent in excellent condition.

Other harvest activity included sweet corn at 46 percent, potatoes at 23 percent, and canola at 69 percent complete. The corn silage harvest began with 3 percent harvested, compared to 1 percent last year and 6 percent average.

| Days Suitable for Fieldwork: 4.7 | | | | |
|----------------------------------|---------------------|-------|----------|---------|
| | Very Short | Short | Adequate | Surplus |
| | ----- Percent ----- | | | |
| Topsoil Moisture | 0 | 3 | 80 | 17 |

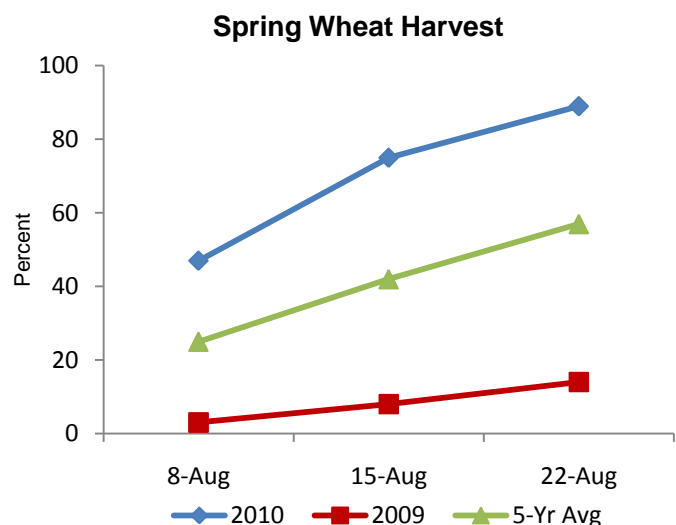
| Crop Progress as of August 22, 2010 | | | | | |
|-------------------------------------|----------------------|---------------------|-----------|-----------|----------|
| Crop | Stage of Development | This Week | Last Week | Last Year | 5 Yr Avg |
| | | ----- Percent ----- | | | |
| Corn | Milk | 97 | 92 | 77 | 92 |
| Corn | Dough | 81 | 54 | 21 | 59 |
| Corn | Dent | 35 | 7 | 1 | 25 |
| Corn Silage | Harvested | 3 | NA | 1 | 6 |
| Soybeans | Setting Pods | 96 | 92 | 88 | 96 |
| Soybeans | Turning Yellow | 3 | 0 | 0 | 6 |
| Spring Wheat | Harvested | 89 | 75 | 14 | 57 |
| Barley | Harvested | 95 | 71 | 22 | 75 |
| Oats | Harvested | 95 | 82 | 55 | 83 |
| Potatoes | Harvested | 23 | 16 | 12 | 20 |
| Sweet Corn | Harvested | 46 | 32 | 26 | 42 |
| Canola | Harvested | 69 | 21 | 3 | 36 |
| Dry Beans | Setting Pods | 98 | 91 | NA | NA |
| Dry Beans | Fully Podded | 78 | 50 | NA | NA |
| Dry Beans | Leaves Yellowing | 23 | 4 | NA | NA |
| Dry Beans | Harvested | 0 | NA | 2 | 1 |

| Condition as of August 22, 2010 | | | | | |
|---------------------------------|---------------------|------|------|------|-----|
| | Very Poor | Poor | Fair | Good | Exc |
| | ----- Percent ----- | | | | |
| Pasture | 0 | 2 | 11 | 64 | 23 |
| Sugarbeets | 0 | 0 | 9 | 60 | 31 |
| Corn | 0 | 2 | 8 | 52 | 38 |
| Potatoes | 0 | 0 | 2 | 59 | 39 |
| Soybeans | 1 | 1 | 10 | 55 | 33 |
| Canola | 8 | 16 | 21 | 37 | 18 |
| Sunflowers | 1 | 2 | 13 | 68 | 16 |
| Dry Beans | 0 | 0 | 15 | 69 | 16 |

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 22, 2010:
Temperatures averaged from 3.2 degrees below normal in the Northwest District to 2.5 degrees above normal in the Southwest District. Extremes: 38 degrees in Hibbing, International Falls; 91 degrees in Redwood Falls. Average precipitation ranged from 0.94 inch below normal in the South Central District to 0.38 inch above normal in the Northeast District. Greatest weekly total of 3.94 inches was recorded in Aitkin.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 8/16/2010 through 8/22/2010

| | Temperature | | | | Precipitation | | | | G D D | |
|--------------------|-------------|-----|----------|------------------|---------------|------------------|-----------------|----------------|----------------|------------------|
| | High | Low | Week Ave | Depart from Norm | Week Total | Depart Past Week | From Four Weeks | Norm Since 4/1 | Since April 23 | Depart from Norm |
| <u>NW DIST 1</u> | | | | | | | | | | |
| Crookston | 83 | 43 | 64.8 | -3.0 | .42 | -.25 | -.18 | 2.34 | 1925 | 81 |
| Itasca | 86 | 42 | 60.8 | -3.3 | .84 | -.00 | .13 | .42 | 1696 | 187 |
| Moorhead | 90 | 46 | 68.2 | -.6 | .04 | -.53 | 1.86 | 2.83 | 2058 | 128 |
| Warroad | 80 | 40 | 59.5 | -5.8 | .15 | -.50 | -.49 | 4.28 | 1594 | -11 |
| <u>NC DIST 2</u> | | | | | | | | | | |
| Grand Rapids | 85 | 42 | 64.2 | -.5 | 1.28 | .47 | 1.44 | 2.36 | 1775 | 157 |
| Intl. Falls | 83 | 38 | 59.8 | -3.7 | .88 | .17 | .72 | 5.37 | 1548 | 30 |
| <u>NE DIST 3</u> | | | | | | | | | | |
| Duluth | 78 | 46 | 62.2 | -1.2 | 1.60 | .64 | 3.73 | 5.35 | 1613 | 210 |
| Grand Marais | 71 | 45 | 56.8 | -5.9 | .95 | .25 | -1.05 | -1.16 | 1105 | 83 |
| Hibbing | 83 | 38 | 61.6 | -1.7 | 1.01 | .25 | 2.36 | 1.27 | 1619 | 150 |
| <u>WC DIST 4</u> | | | | | | | | | | |
| Alexandria | 86 | 50 | 69.3 | 1.8 | 1.32 | .49 | 2.62 | 1.80 | 1991 | 146 |
| Browns Valley | 86 | 47 | 67.0 | -2.7 | .02 | -.59 | 1.85 | 1.67 | 1968 | -72 |
| Canby | 88 | 55 | 71.5 | .8 | .80 | .18 | -.38 | .22 | 2163 | 31 |
| Dalton | 88 | 52 | 68.6 | .3 | .53 | -.18 | 3.16 | 1.98 | 2047 | 149 |
| Montevideo | 86 | 52 | 69.5 | .1 | .93 | .22 | 1.69 | 1.54 | 2014 | -16 |
| Morris | 87 | 47 | 68.4 | -.3 | .60 | -.13 | 2.70 | 1.07 | 2001 | 21 |
| Wheaton | 85 | 51 | 67.2 | -2.5 | .41 | -.15 | -.02 | -1.95 | 2012 | 0 |
| <u>CENT DIST 5</u> | | | | | | | | | | |
| Becker | 86 | 51 | 69.5 | 2.2 | .87 | -.10 | .03 | 3.23 | 2153 | 271 |
| Collegeville | 88 | 52 | 70.4 | .6 | .87 | -.01 | 3.63 | 1.52 | 2188 | 115 |
| Hutchinson | 86 | 53 | 69.2 | .3 | .26 | -.66 | 2.73 | 5.54 | 2185 | 126 |
| Melrose | 85 | 50 | 67.3 | -1.3 | 1.48 | .69 | 5.68 | 4.81 | 1921 | -40 |
| Olivia | 86 | 49 | 69.8 | 1.7 | .22 | -.56 | 1.17 | 2.32 | 2016 | 11 |
| St. Cloud | 88 | 49 | 70.5 | 3.7 | 1.15 | .23 | 2.31 | .79 | 2059 | 229 |
| Staples | 84 | 45 | 67.8 | 2.6 | M | M | 3.28m | 4.08m | 1890 | 237 |
| Wadena | 82 | 46 | 64.3 | -1.2 | .38 | -.33 | 5.23 | 5.76 | 1743 | 85 |
| Willmar | 86 | 49 | 68.4 | -.1 | .84 | -.03 | 2.53 | 6.00 | 2098 | 101 |
| <u>EC DIST 6</u> | | | | | | | | | | |
| Aitkin | 84 | 43 | 66.2 | 1.9 | 3.94 | 3.07 | 2.72m | .77m | 1706m | 144m |
| Forest Lake | 88 | 50 | 69.2 | 1.0 | .18 | -.86 | -.44 | 2.46 | 2141 | 189 |
| Hinckley | 82 | 45 | 63.6 | -1.3 | 1.14 | .20 | 5.11 | 8.07 | 1701 | 64 |
| MSP Airport | 88 | 58 | 74.0 | 3.8 | 0 | -.92 | .92 | 1.63 | 2422 | 291 |
| St. Paul - UofM | 84 | 54 | 69.7 | -.2 | .14 | -.86 | 2.80 | 3.07 | 2188 | 97 |
| <u>SW DIST 7</u> | | | | | | | | | | |
| Lamberton | 88 | 53 | 71.8 | 2.8 | .18 | -.59 | .56 | 1.77 | 2265 | 182 |
| Marshall | 90 | 57 | 72.4 | 2.3 | .22 | -.47 | -.13 | 4.21 | 2190 | 76 |
| Pipestone | 88 | 51 | 71.4 | 2.4 | .26 | -.44 | .74 | 6.12 | 2044 | 47 |
| Redwood Falls | 91 | 53 | 71.0 | .3 | .26 | -.56 | -1.31 | 1.97 | 2248 | 47 |
| Worthington | 87 | 55 | 71.3 | 3.5 | .13 | -.67 | -.55 | 1.69 | 2142 | 196 |
| <u>SC DIST 8</u> | | | | | | | | | | |
| Faribault | 85 | 40 | 67.6 | -.9 | .15 | -.86 | .42 | 2.02 | 2181 | 201 |
| Mankato | 86 | 54 | 71.1 | 1.6 | .09 | -.93 | -1.16 | 1.61 | 2179 | 109 |
| Waseca | 86 | 51 | 70.0 | 1.4 | .03 | -1.03 | -1.59 | 3.87 | 2174 | 154 |
| Winnebago | 87 | 55 | 72.6 | 3.3 | .01 | -.95 | -.71 | 3.53 | 2292 | 204 |
| <u>SE DIST 9</u> | | | | | | | | | | |
| Preston | 88 | 54 | 71.6 | 3.7 | .41 | -.66 | -.86 | 3.52 | 2235 | 337 |
| Red Wing | 86 | 56 | 70.8 | 1.2 | .01 | -.88 | .64 | 3.24 | 2282 | 228 |
| Rochester | 85 | 55 | 71.1 | 3.6 | .06 | -.91 | .04 | 1.22 | 2165 | 285 |
| Rosemount | 84 | 54 | 69.6 | 1.3 | .01 | -1.04 | 1.68 | 4.83 | 2163 | 204 |
| Winona | 86 | 59 | 71.4 | 1.7 | .21 | -.72 | 1.27 | 7.22 | 2199 | 115 |

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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